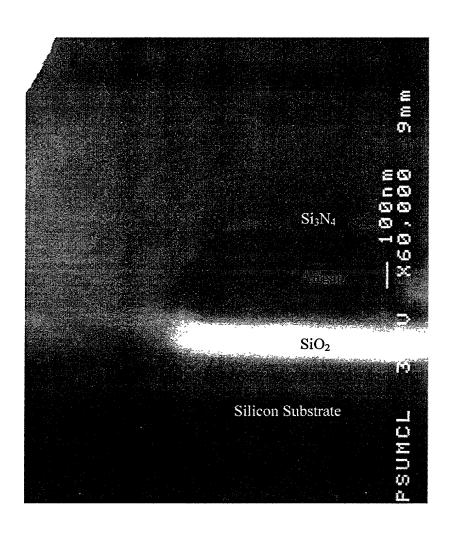


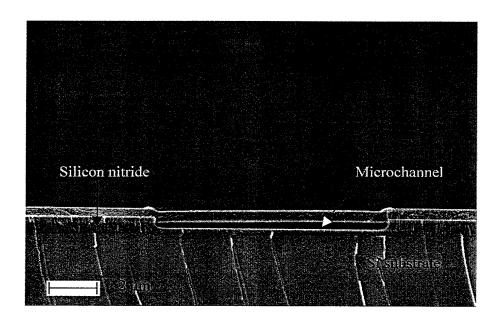
(a) Base layer deposition (b) Lithography and base layer etching (c) Sacrificial layer deposition Lift-off (e) Capping layer deposition (f) Etchant access window etching

(g) Sacrificial layer etching and trench creation

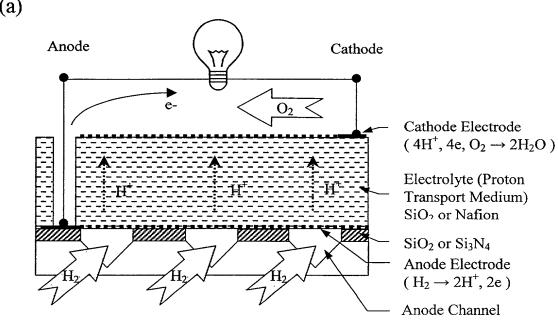
(h) Window filling

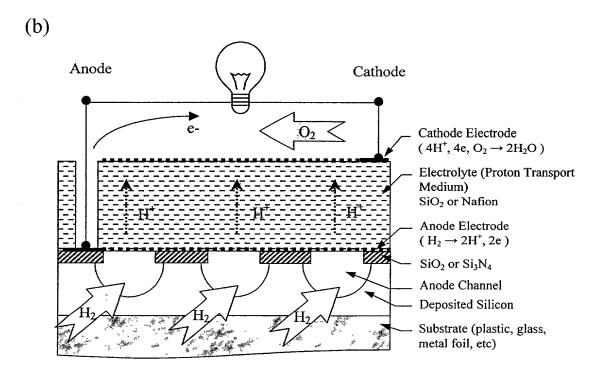
base layer (e.g., silicon nitride) deposited (e.g.,a-Si or poly Si) optimal etch stop or barrier layer substrate



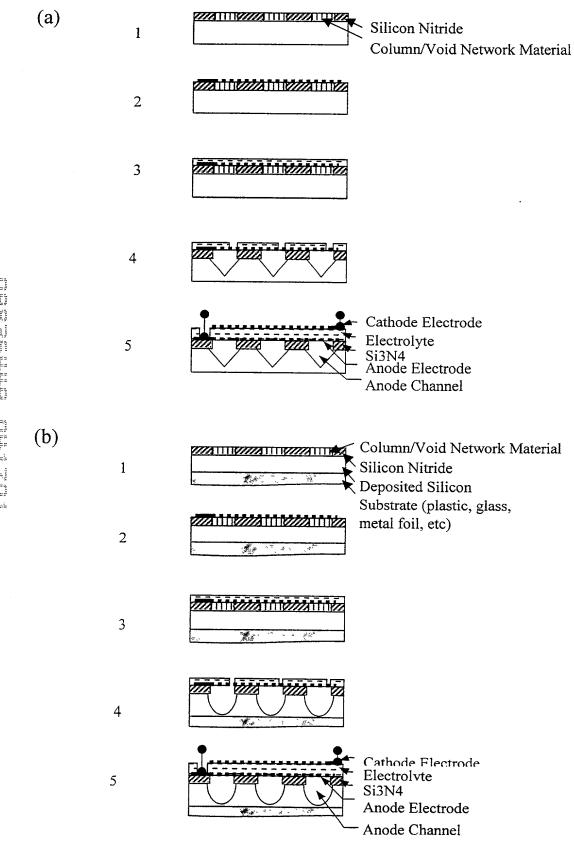


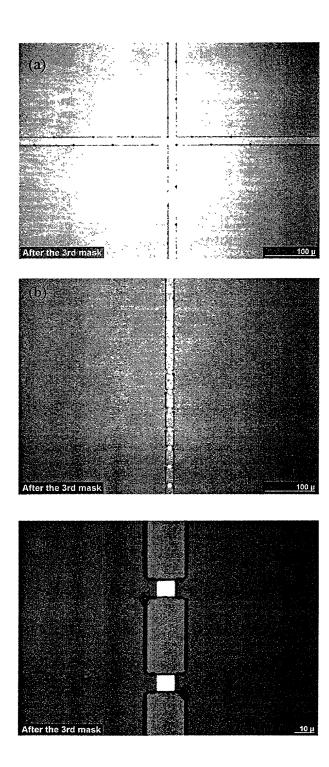


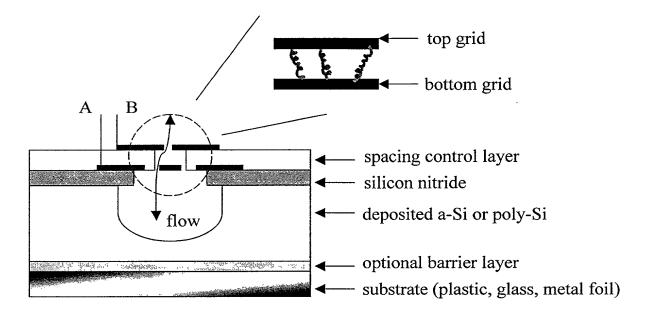




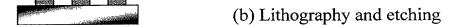


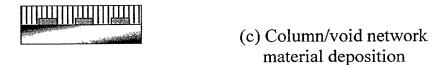




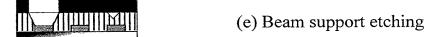




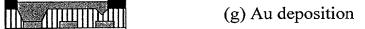












(h) Column/void network material etching